Name: _____ Date: _____ Per: ____

WEB SURFING SCIENCE!

Using the Web Surfing Science! websites your teacher has assigned to you, complete the following online treasure hunt.

Part I: Earth Like a Puzzle!

Part II: Universe Today: Continental Plates

Part III: Mountain Maker, Earth Shaker

Part I: Earth Like a Puzzle!

1. What two layers make up the lithosphere? _____
   _____
2. Tectonic plates "float" on which layer of Earth? _____
   _____
3. The _____ is broken into tectonic plates.

Part II: Universe Today: Continental Plates

1. All continental plates move in the same direction. (Circle the correct answer.)
   TRUE FALSE
2. The names of the major tectonic plates are similar to the continents located on them. (Circle the correct answer.)
   TRUE FALSE
3. What is the movement speed or speeds of tectonic plates? _____
4. List five continental plates seen on the map. _____,
   _____, _____,
   _____, and _____

Part III: Mountain Maker, Earth Shaker

1. When the sea floor spreads apart it is called sea floor spreading. This is also called a _____ boundary.

2. What happens to ocean crust and mantle after subduction?

   _____

   _____

3. What do they form?

   _____

   _____

4. Label each type of boundary below:

   The boundary where two plates meet and trenches are formed.

   _____

   The plates move away from each other allowing magma to create new ocean crust.

   _____

   The plates move in opposite directions building up tension until they slip causing earthquakes. _____

5. To see how the plates move, click on "Plate Tectonics Activity" at the bottom of the page.